

APPENDIX B

Claims Pending but Withdrawn from Consideration

11. The method of claim 8, wherein the enzyme catalyzed reaction is selected from the group consisting of the reaction cascade or any portion thereof for the sequential synthesis of uridinediphosphate-N-acetylmuramic acid pentapeptide catalyzed by the enzymes MurA, MurB, MurC, MurD, MurE, and MurF.
12. The method of claim 8, wherein the enzyme catalyzed reaction is that catalyzed by MurA.
13. The method of claim 8, wherein the enzyme catalyzed reaction is that catalyzed by MurB.
14. The method of claim 8, wherein the enzyme catalyzed reaction is that catalyzed by MurC.
15. The method of claim 8, wherein the enzyme catalyzed reaction is that catalyzed by MurD.
16. The method of claim 8, wherein the enzyme catalyzed reaction is that catalyzed by MurE.
17. The method of claim 8, wherein the enzyme catalyzed reaction is that catalyzed by MurF.
18. The method of claim 8, wherein the enzyme catalyzed reaction is the reaction cascade for the sequential synthesis of uridinediphosphate-N-cetylmuramic acid pentapeptide catalyzed by the enzymes MurA, MurB, MurC, MurD, MurE, and MurF.
20. The method of claim 19, wherein the high throughput screen is used to identify compounds which inhibit an enzyme catalyzed reaction selected from the group consisting of the reaction cascade or any portion thereof for the sequential synthesis of uridinediphosphate-N-acetylmurarnic acid pentapeptide catalyzed by the enzymes MurA, MurB, MurC, MurD, MurE, and MurF; kinase catalyzed reactions, lipase catalyzed reactions, and tRNA transferase catalyzed reactions.

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11. The method of claim 8, wherein the enzyme catalyzed reaction is selected from the group consisting of the reaction cascade or any portion thereof for the sequential synthesis of uridinediphosphate-N-acetylmuramic acid pentapeptide catalyzed by the enzymes MurA, MurB, MurC, MurD, MurE, and MurF.
12. The method of claim 8, wherein the enzyme catalyzed reaction is that catalyzed by MurA.
13. The method of claim 8, wherein the enzyme catalyzed reaction is that catalyzed by MurB.
14. The method of claim 8, wherein the enzyme catalyzed reaction is that catalyzed by MurC.
15. The method of claim 8, wherein the enzyme catalyzed reaction is that catalyzed by MurD.
16. The method of claim 8, wherein the enzyme catalyzed reaction is that catalyzed by MurE.
17. The method of claim 8, wherein the enzyme catalyzed reaction is that catalyzed by MurF.
18. The method of claim 8, wherein the enzyme catalyzed reaction is the reaction cascade for the sequential synthesis of uridinediphosphate-N-cetylmuramic acid pentapeptide catalyzed by the enzymes MurA, MurB, MurC, MurD, MurE, and MurF.
20. The method of claim 19, wherein the high throughput screen is used to identify compounds which inhibit an enzyme catalyzed reaction selected from the group consisting of the reaction cascade or any portion thereof for the sequential synthesis of uridinediphosphate-N-acetylmurarnic acid pentapeptide catalyzed by the enzymes MurA, MurB, MurC, MurD, MurE, and MurF; kinase catalyzed reactions, lipase catalyzed reactions, and tRNA transferase catalyzed reactions.